

Ewaldt

1644 #15

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RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/122,144ADATE: 06/09/2000  
TIME: 16:42:18

Input Set: I122144A.RAW

This Raw Listing contains the General Information  
Section and up to first 5 pages.

ENTERED

1 <110> APPLICANT: Blumberg, Richard S.  
2 Simister, Neil E.  
3 Lencer, Wayne I.  
4 <120> TITLE OF INVENTION: RECEPTOR SPECIFIC TRANSEPITHELIAL TRANSPORT OF THERAPEUTI  
5 <130> FILE REFERENCE: S1383/7003  
6 <140> CURRENT APPLICATION NUMBER: US/09/122,144A  
7 <141> CURRENT FILING DATE: 1998-07-24  
8 <150> EARLIER APPLICATION NUMBER: US 09/122,144  
9 <151> EARLIER FILING DATE: 1998-07-24  
10 <160> NUMBER OF SEQ ID NOS: 22  
11 <210> SEQ ID NO 1  
12 <211> LENGTH: 706  
13 <212> TYPE: DNA  
14 <213> ORGANISM: Homo sapiens  
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16 gtcgtcgaca aaactcacac atgccaccg tgcccagcac ctgaactcct ggggggaccg 60  
17 tcagtcttcc tcttcccccc aaaacccaag gacaccctca tgatctcccg gacccttgag 120  
18 gtcacatgcg tgggtggtgga cgtgagccac gaagaccctg aggtcaagtt caactggtac 180  
19 gtggacggcg tggaggtgca taatgccaag acaaagccgc gggaggagca gtacaacagc 240  
20 acgtaccgtg tggtcagcgt cctcaccgtc ctgcaccagg actggctgaa tggcaaggag 300  
21 tacaagtgca aggtctccaa caaagccctc ccagccccc a tcgagaaaac catctccaaa 360  
22 gccaaagggc agccccgaga accacagggtg tacaccctgc ccccatcccg ggatgagctg 420  
23 accaagaacc aggtcagcct gacctgcctg gtcaaaggct tctatcccag cgacatcgcc 480  
24 gtggagtggg agagcaatgg gcagccggag aacaactaca agaccacgcc tcccggttg 540  
25 gactccgacg gctccttctt cctctacagc aagctcaccg tggacaagag cagggtggcag 600  
26 caggggaacg tcttctcatg ctccgtgatg catgaggctc tgcacaacca ctacacgcag 660  
27 aagagcctct ccctgtctcc gggtaaatga gtgcggcggc cgcgtc 706  
28 <210> SEQ ID NO 2  
29 <211> LENGTH: 229  
30 <212> TYPE: PRT  
31 <213> ORGANISM: Homo sapiens  
32 <400> SEQUENCE: 2  
33 Val Val Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu  
34 1 5 10 15  
35 Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr  
36 20 25 30  
37 Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val  
38 35 40 45  
39 Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val  
40 50 55 60  
41 Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser  
42 65 70 75 80  
43 Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu  
44 85 90 95

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**PATENT APPLICATION US/09/122,144A**

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45      Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala
46              100                      105                      110
47      Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro
48              115                      120                      125
49      Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln
50              130                      135                      140
51      Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala
52              145                      150                      155                      160
53      Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr
54              165                      170                      175
55      Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu
56              180                      185                      190
57      Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser
58              195                      200                      205
59      Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser
60              210                      215                      220
61      Leu Ser Pro Gly Lys
62      225
63      <210> SEQ ID NO 3
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65      <212> TYPE: PRT
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71      <211> LENGTH: 33
72      <212> TYPE: PRT
73      <213> ORGANISM: Homo sapiens
74      <400> SEQUENCE: 4
75      Ser Ser Thr Lys Leu Thr His Ala His Arg Ala Gln His Leu Asn Ser
76      1                      5                      10                      15
77      Trp Gly Asp Arg Gln Ser Ser Ser Ser Pro Gln Asn Pro Arg Thr Pro
78      20                      25                      30
79      Ser
80      <210> SEQ ID NO 5
81      <211> LENGTH: 13
82      <212> TYPE: PRT
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84      <400> SEQUENCE: 5
85      Ser Pro Gly Pro Leu Arg Ser His Ala Trp Trp Trp Thr
86      1                      5                      10
87      <210> SEQ ID NO 6
88      <211> LENGTH: 47
89      <212> TYPE: PRT
90      <213> ORGANISM: Homo sapiens
91      <400> SEQUENCE: 6
92      Ala Thr Lys Thr Leu Arg Ser Ser Ser Thr Gly Thr Trp Thr Ala Trp
93      1                      5                      10                      15
94      Arg Cys Ile Met Pro Arg Gln Ser Arg Gly Arg Ser Ser Thr Thr Ala

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96      Arg Thr Val Trp Ser Ala Ser Ser Pro Ser Cys Thr Arg Thr Gly
97          35          40          45
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99  <211> LENGTH: 43
100 <212> TYPE: PRT
101 <213> ORGANISM: Homo sapiens
102 <400> SEQUENCE: 7
103      Met Ala Arg Ser Thr Ser Ala Arg Ser Pro Thr Lys Pro Ser Gln Pro
104          1          5          10          15
105      Pro Ser Arg Lys Pro Ser Pro Lys Pro Lys Gly Ser Pro Glu Asn His
106          20          25          30
107      Arg Cys Thr Pro Cys Pro His Pro Gly Met Ser
108          35          40
109 <210> SEQ ID NO 8
110 <211> LENGTH: 6
111 <212> TYPE: PRT
112 <213> ORGANISM: Homo sapiens
113 <400> SEQUENCE: 8
114      Pro Arg Thr Arg Ser Ala
115          1          5
116 <210> SEQ ID NO 9
117 <211> LENGTH: 61
118 <212> TYPE: PRT
119 <213> ORGANISM: Homo sapiens
120 <400> SEQUENCE: 9
121      Pro Ala Trp Ser Lys Ala Ser Ile Pro Ala Thr Ser Pro Trp Ser Gly
122          1          5          10          15
123      Arg Ala Met Gly Ser Arg Arg Thr Thr Thr Arg Pro Arg Leu Pro Cys
124          20          25          30
125      Trp Thr Pro Thr Ala Pro Ser Ser Ser Thr Ala Ser Ser Pro Trp Thr
126          35          40          45
127      Arg Ala Gly Gly Ser Arg Gly Thr Ser Ser His Ala Pro
128          50          55          60
129 <210> SEQ ID NO 10
130 <211> LENGTH: 26
131 <212> TYPE: PRT
132 <213> ORGANISM: Homo sapiens
133 <400> SEQUENCE: 10
134      Cys Met Arg Leu Cys Thr Thr Thr Thr Arg Arg Arg Ala Ser Pro Cys
135          1          5          10          15
136      Leu Arg Val Asn Glu Cys Gly Gly Arg Val
137          20          25
138 <210> SEQ ID NO 11
139 <211> LENGTH: 13
140 <212> TYPE: PRT
141 <213> ORGANISM: Homo sapiens
142 <400> SEQUENCE: 11
143      Arg Arg Gln Asn Ser His Met Pro Thr Val Pro Ser Thr
144          1          5          10

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145 <210> SEQ ID NO 12
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147 <212> TYPE: PRT
148 <213> ORGANISM: Homo sapiens
149 <400> SEQUENCE: 12
150   Thr Pro Gly Gly Thr Val Ser Leu Pro Leu Pro Pro Lys Thr Gln Gly
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152   His Pro His Asp Leu Pro Asp Pro
153               20
154 <210> SEQ ID NO 13
155 <211> LENGTH: 13
156 <212> TYPE: PRT
157 <213> ORGANISM: Homo sapiens
158 <400> SEQUENCE: 13
159   Gly His Met Arg Gly Gly Gly Arg Glu Pro Arg Arg Pro
160       1             5             10
161 <210> SEQ ID NO 14
162 <211> LENGTH: 13
163 <212> TYPE: PRT
164 <213> ORGANISM: Homo sapiens
165 <400> SEQUENCE: 14
166   Gly Gln Val Gln Leu Val Arg Gly Arg Arg Gly Gly Ala
167       1             5             10
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169 <211> LENGTH: 70
170 <212> TYPE: PRT
171 <213> ORGANISM: Homo sapiens
172 <400> SEQUENCE: 15
173   Cys Gln Asp Lys Ala Ala Gly Gly Ala Val Gln Gln His Val Pro Cys
174       1             5             10             15
175   Gly Gln Arg Pro His Arg Pro Ala Pro Gly Leu Ala Glu Trp Gln Gly
176               20             25             30
177   Val Gln Val Gln Gly Leu Gln Gln Ser Pro Pro Ser Pro His Arg Glu
178               35             40             45
179   Asn His Leu Gln Ser Gln Arg Ala Ala Pro Arg Thr Thr Gly Val His
180               50             55             60
181   Pro Ala Pro Ile Pro Gly
182       65             70
183 <210> SEQ ID NO 16
184 <211> LENGTH: 72
185 <212> TYPE: PRT
186 <213> ORGANISM: Homo sapiens
187 <400> SEQUENCE: 16
188   Ala Asp Gln Glu Pro Gly Gln Pro Asp Leu Pro Gly Gln Arg Leu Leu
189       1             5             10             15
190   Ser Gln Arg His Arg Arg Gly Val Gly Glu Gln Trp Ala Ala Gly Glu
191               20             25             30
192   Gln Leu Gln Asp His Ala Ser Arg Val Gly Leu Arg Arg Leu Leu Leu
193               35             40             45
194   Pro Leu Gln Gln Ala His Arg Gly Gln Glu Gln Val Ala Ala Gly Glu

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195          50          55          60
196      Arg Leu Leu Met Leu Arg Asp Ala
197      65          70
198 <210> SEQ ID NO 17
199 <211> LENGTH: 16
200 <212> TYPE: PRT
201 <213> ORGANISM: Homo sapiens
202 <400> SEQUENCE: 17
203      Gly Ser Ala Gln Pro Leu His Ala Glu Glu Pro Leu Pro Val Ser Gly
204      1          5          10          15
205 <210> SEQ ID NO 18
206 <211> LENGTH: 6
207 <212> TYPE: PRT
208 <213> ORGANISM: Homo sapiens
209 <400> SEQUENCE: 18
210      Met Ser Ala Ala Ala Ala
211      1          5
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213 <211> LENGTH: 17
214 <212> TYPE: DNA
215 <213> ORGANISM: Homo sapiens
216 <400> SEQUENCE: 19
217      tgctgggctg tgaactg
218 <210> SEQ ID NO 20
219 <211> LENGTH: 18
220 <212> TYPE: DNA
221 <213> ORGANISM: Homo sapiens
222 <400> SEQUENCE: 20
223      cgcttttagc agtcggaa
224 <210> SEQ ID NO 21
225 <211> LENGTH: 4
226 <212> TYPE: PRT
227 <213> ORGANISM: Homo sapiens
228 <400> SEQUENCE: 21
229      Asp Lys Thr His
230      1
231 <210> SEQ ID NO 22
232 <211> LENGTH: 4
233 <212> TYPE: PRT
234 <213> ORGANISM: Homo sapiens
235 <400> SEQUENCE: 22
236      Ser Pro Gly Lys
237      1

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VERIFICATION SUMMARY  
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Line ? Error/Warning

Original Text

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